

Elizabeth P Murchison

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

10,960
citations

117625

34
h-index

175258

52
g-index

70
all docs

70
docs citations

70
times ranked

13983
citing authors

#	ARTICLE	IF	CITATIONS
1	Searching for transmissible cancers among the mussels of Europe. <i>Molecular Ecology</i> , 2022, 31, 719-722.	3.9	0
2	Somatic mutation rates scale with lifespan across mammals. <i>Nature</i> , 2022, 604, 517-524.	27.8	211
3	Molecular characterization of a marine turtle tumor epizootic, profiling external, internal and postsurgical regrowth tumors. <i>Communications Biology</i> , 2021, 4, 152.	4.4	20
4	Genotype data not consistent with clonal transmission of sea turtle fibropapillomatosis or goldfish schwannoma. <i>Wellcome Open Research</i> , 2021, 6, 219.	1.8	2
5	Rising incidence of canine transmissible venereal tumours in the UK. <i>Veterinary Record</i> , 2021, 189, 472-474.	0.3	0
6	Two of a kind: transmissible Schwann cell cancers in the endangered Tasmanian devil (<i>Sarcophilus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.4	28
7	Recurrent horizontal transfer identifies mitochondrial positive selection in a transmissible cancer. <i>Nature Communications</i> , 2020, 11, 3059.	12.8	18
8	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. <i>PLoS Biology</i> , 2020, 18, e3000926.	5.6	23
9	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. , 2020, 18, e3000926.		0
10	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. , 2020, 18, e3000926.		0
11	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. , 2020, 18, e3000926.		0
12	Evolution and lineage dynamics of a transmissible cancer in Tasmanian devils. , 2020, 18, e3000926.		0
13	Somatic evolution and global expansion of an ancient transmissible cancer lineage. <i>Science</i> , 2019, 365, .	12.6	58
14	Cross-species genomic landscape comparison of human mucosal melanoma with canine oral and equine melanoma. <i>Nature Communications</i> , 2019, 10, 353.	12.8	99
15	Tracing the rise of malignant cell lines: Distribution, epidemiology and evolutionary interactions of two transmissible cancers in Tasmanian devils. <i>Evolutionary Applications</i> , 2019, 12, 1772-1780.	3.1	37
16	Emergence, transmission and evolution of an uncommon enemy: Tasmanian devil facial tumour disease. , 2019, , 321-341.		4
17	The ERBB-STAT3 Axis Drives Tasmanian Devil Facial Tumor Disease. <i>Cancer Cell</i> , 2019, 35, 125-139.e9.	16.8	43
18	scanPAV: a pipeline for extracting presenceâ€“absence variations in genome pairs. <i>Bioinformatics</i> , 2018, 34, 3022-3024.	4.1	9

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19	Ancient <scp>DNA</scp> tracks the mainland extinction and island survival of the Tasmanian devil. <i>Journal of Biogeography</i> , 2018, 45, 963-976.	3.0	22
20	The Origins and Vulnerabilities of Two Transmissible Cancers in Tasmanian Devils. <i>Cancer Cell</i> , 2018, 33, 607-619.e15.	16.8	88
21	Tasman-PCR: a genetic diagnostic assay for Tasmanian devil facial tumour diseases. <i>Royal Society Open Science</i> , 2018, 5, 180870.	2.4	17
22	The evolutionary history of dogs in the Americas. <i>Science</i> , 2018, 361, 81-85.	12.6	140
23	The newly-arisen Devil facial tumour disease 2 (DFT2) reveals a mechanism for the emergence of a contagious cancer. <i>ELife</i> , 2018, 7, .	6.0	47
24	Evaluation of a genetic assay for canine transmissible venereal tumour diagnosis in Brazil. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 615-618.	1.8	9
25	No evidence for clonal transmission of urogenital carcinoma in California sea lions (<i>Zalophus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	8
26	Mitochondrial genetic diversity, selection and recombination in a canine transmissible cancer. <i>ELife</i> , 2016, 5, .	6.0	49
27	Cancer in the Wilderness. <i>Cell</i> , 2016, 166, 264-268.	28.9	0
28	Rapid evolutionary response to a transmissible cancer in Tasmanian devils. <i>Nature Communications</i> , 2016, 7, 12684.	12.8	162
29	Transmissible tumours under the sea. <i>Nature</i> , 2016, 534, 628-629.	27.8	8
30	A second transmissible cancer in Tasmanian devils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 374-379.	7.1	192
31	Enhancer Evolution across 20 Mammalian Species. <i>Cell</i> , 2015, 160, 554-566.	28.9	671
32	The cancer which survived: insights from the genome of an 11000 year-old cancer. <i>Current Opinion in Genetics and Development</i> , 2015, 30, 49-55.	3.3	48
33	Transmissible cancer in Tasmanian devils: localized lineage replacement and host population response. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151468.	2.6	48
34	Transmissible Dog Cancer Genome Reveals the Origin and History of an Ancient Cell Lineage. <i>Science</i> , 2014, 343, 437-440.	12.6	144
35	The changing global distribution and prevalence of canine transmissible venereal tumour. <i>BMC Veterinary Research</i> , 2014, 10, 168.	1.9	68
36	Genomic Restructuring in the Tasmanian Devil Facial Tumour: Chromosome Painting and Gene Mapping Provide Clues to Evolution of a Transmissible Tumour. <i>PLoS Genetics</i> , 2012, 8, e1002483.	3.5	92

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37	Genome Sequencing and Analysis of the Tasmanian Devil and Its Transmissible Cancer. <i>Cell</i> , 2012, 148, 780-791.	28.9	300
38	Expansion of CORE-SINEs in the genome of the Tasmanian devil. <i>BMC Genomics</i> , 2012, 13, 172.	2.8	10
39	Deregulated Sex Chromosome Gene Expression with Male Germ Cell-Specific Loss of Dicer1. <i>PLoS ONE</i> , 2012, 7, e46359.	2.5	49
40	Extreme Telomere Length Dimorphism in the Tasmanian Devil and Related Marsupials Suggests Parental Control of Telomere Length. <i>PLoS ONE</i> , 2012, 7, e46195.	2.5	27
41	Sequencing skipky: the genome sequence of an Australian kangaroo, <i>Macropus eugenii</i> . <i>Genome Biology</i> , 2011, 12, 123.	9.6	6
42	Identification and validation of a novel mature microRNA encoded by the Merkel cell polyomavirus in human Merkel cell carcinomas. <i>Journal of Clinical Virology</i> , 2011, 52, 272-275.	3.1	80
43	Ordered progression of stage-specific miRNA profiles in the mouse B2 B-cell lineage. <i>Blood</i> , 2011, 117, 5340-5349.	1.4	55
44	Tumor-Specific Diagnostic Marker for Transmissible Facial Tumors of Tasmanian Devils. <i>Veterinary Pathology</i> , 2011, 48, 1195-1203.	1.7	60
45	The Tasmanian Devil Transcriptome Reveals Schwann Cell Origins of a Clonally Transmissible Cancer. <i>Science</i> , 2010, 327, 84-87.	12.6	222
46	Pseudogene-derived small interfering RNAs regulate gene expression in mouse oocytes. <i>Nature</i> , 2008, 453, 534-538.	27.8	960
47	Genome analysis of the platypus reveals unique signatures of evolution. <i>Nature</i> , 2008, 453, 175-183.	27.8	657
48	A mammalian microRNA cluster controls DNA methylation and telomere recombination via Rbl2-dependent regulation of DNA methyltransferases. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 268-279.	8.2	348
49	miRNAs are essential for survival and differentiation of newborn neurons but not for expansion of neural progenitors during early neurogenesis in the mouse embryonic neocortex. <i>Development (Cambridge)</i> , 2008, 135, 3911-3921.	2.5	309
50	Targeted deletion of Dicer in the heart leads to dilated cardiomyopathy and heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2111-2116.	7.1	540
51	Conservation of small RNA pathways in platypus. <i>Genome Research</i> , 2008, 18, 995-1004.	5.5	39
52	Critical roles for Dicer in the female germline. <i>Genes and Development</i> , 2007, 21, 682-693.	5.9	438
53	A MicroRNA Feedback Circuit in Midbrain Dopamine Neurons. <i>Science</i> , 2007, 317, 1220-1224.	12.6	1,094
54	The Expanding Universe of Noncoding RNAs. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006, 71, 551-564.	1.1	65

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55	The miRNA-Processing Enzyme Dicer Is Essential for the Morphogenesis and Maintenance of Hair Follicles. <i>Current Biology</i> , 2006, 16, 1041-1049.	3.9	335
56	Characterization of Dicer-deficient murine embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12135-12140.	7.1	742
57	miRNAs on the move: miRNA biogenesis and the RNAi machinery. <i>Current Opinion in Cell Biology</i> , 2004, 16, 223-229.	5.4	360
58	Dicer is essential for mouse development. <i>Nature Genetics</i> , 2003, 35, 215-217.	21.4	1,759
59	Sex disparity in oronasal presentations of canine transmissible venereal tumour. <i>Veterinary Record</i> , 0, , .	0.3	1